

<b>Courage to Soar</b>			
<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Kite Flight	FL	SCI.3.SC.3.N.1 .5	Recognize that scientists question, discuss, and check each others' evidence and explanations.
Looking for Answers:A research project	FL	SCI.3.SC.3.N.1 .4	Recognize the importance of communication among scientists.
The Matter of Air	FL	SCI.3.SC.3.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Four Forces of Flight	FL	SCI.3.SC.3.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Four Forces of Flight	FL	SCI.3.SC.3.P.8 .B	Objects and substances can be classified by their physical and chemical properties. Mass is the amount of matter (or "stuff") in an object. Weight, on the other hand, is the measure of force of attraction (gravitational force) between an object and Earth.
The Four Forces of Flight	FL	SCI.3.SC.3.P.1 1.2	Investigate, observe, and explain that heat is produced when one object rubs against another, such as rubbing one's hands together.
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<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 4</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Kite Flight	FL	SCI.4.SC.4.N.1 .4	Attempt reasonable answers to scientific questions and cite evidence in support.
Soaring Higher	FL	SCI.4.SC.4.P.1 2.2	Investigate and describe that the speed of an object is determined by the distance it travels in a unit of time and that objects can move at different speeds.
Flying a Styrofoam Plane	FL	SCI.4.SC.4.N.1 .8	Recognize that science involves creativity in designing experiments.
Looking for Answers:A research project	FL	SCI.4.SC.4.N.1 .A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.

The Matter of Air	FL	SCI.4.SC.4.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Matter of Air	FL	SCI.4.SC.4.N.1 .3	Explain that science does not always follow a rigidly defined method ("the scientific method") but that science does involve the use of observations and empirical evidence.
The Four Forces of Flight	FL	SCI.4.SC.4.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Four Forces of Flight	FL	SCI.4.SC.4.P.1 2.B	The motion of objects can be changed by forces.
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<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Kite Flight	FL	SCI.5.SC.5.N.1 .D	Scientific knowledge is based on observation and inference; it is important to recognize that these are very different things. Not only does science require creativity in its methods and processes, but also in its questions and explanations.
Aviation Pioneers	FL	SCI.5.SC.5.N.1 .4	Identify a control group and explain its importance in an experiment.
Flying a Styrofoam Plane	FL	SCI.5.SC.5.N.1 .2	Explain the difference between an experiment and other types of scientific investigation.
Flying a Styrofoam Plane	FL	SCI.5.SC.5.N.1 .3	Recognize and explain the need for repeated experimental trials.
Flying a Styrofoam Plane	FL	SCI.5.SC.5.N.2 .2	Recognize and explain that when scientific investigations are carried out, the evidence produced by those investigations should be replicable by others.
Looking for Answers: A research project	FL	SCI.5.SC.5.N.1 .A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.
The Matter of Air	FL	SCI.5.SC.5.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Matter of Air	FL	SCI.5.SC.5.N.1 .3	Recognize and explain the need for repeated experimental trials.

The Matter of Air	FL	SCI.5.SC.5.N.1 .5	Recognize and explain that authentic scientific investigation frequently does not parallel the steps of "the scientific method."
The Four Forces of Flight	FL	SCI.5.SC.5.N.1 .B	The processes of science frequently do not correspond to the traditional portrayal of "the scientific method."
The Four Forces of Flight	FL	SCI.5.SC.5.N.1 .2	Explain the difference between an experiment and other types of scientific investigation.
Controlling the Plane	FL	SCI.5.SC.5.N.1 .1	Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.